

BIOLOGICALLY ACTIVE IMPLANTS

ABSTRACT

5 This invention relates to an implant for treating pathological changes in the spinal
column and/or locomotor system. According to one embodiment of the invention, the
implant may be provided with an enamel-like or varnish-like coating up to 100 μm thick
and made of a biodegradable polymer such as polylactide. This coating has an
osteoinductive effect, which promotes the healing of fractures. Additional osteoinductive
10 materials such as growth factors may be incorporated in the coating. The invention also
relates to a method for producing such an implant using the following steps: preparing a
dispersion of biodegradable polymers in an organic solvent; applying the dispersion on the
surface to be coated; and allowing the solvent to evaporate.

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